

**BIBLIOGRAPHY**

1. Herbalism. [Online]. [cited 2016 Apr 19]; Available from: URL:<https://en.wikipedia.org/wiki/Herbalism>
2. Zand J, Spreen AN, LaValle JB. Smart Medicine for Healthier Living. New York: Avery publishing group; 1999. p. 22.
3. Kapur S.K. Review on ethano-medico plants for skin affiliations. Indian Drugs 1991;28(5):210-23.
4. Gupta AK, Chitme HR. Herbal medicine for health. The Eastern Pharmacist 2000;43(512):41-9.
5. Venkatarao E. Modern approaches to herbal medicine. The Eastern Pharmacist 2000;63(509):35-7.
6. Chaudhari RD. Herbal Drug Industry. New Delhi: Eastern Publishers; 1966. p. 1-3.
7. Bhattacharjee SK. Hand book of Medicinal Plants. Calcutta: Medical Allied Agency; 1989. vol 1 p. 1-6.
8. Kar Ashutosh. Pharmacognosy & Pharmacobiotechnology. New Delhi: New age international (P) Limited Publishers; 2003. p. 5-16.
9. Herbal Medicines - research and clinical trials of traditional herbal remedies. Herb drug interaction. [Online]. [cited 2016 Apr 19]; Available from: URL:<http://floraleads.com/herbs4health.htm>
10. Kokate CK, Purohit AP, Gokhale SB. Pharmacognosy. 16th ed. Pune: Nirali Prakashan; 2001. p. 98-112,148,181,193,201,226,247,254,309,311,314,326,340,347,364,373,384,397,503,505.
11. Graham NA, Chandler RF. Podophyllum. Canad Pharm J 1990;123:300-33.

12. Mukherjee PK. Quality Control of Herbal Drugs. New Delhi: Business Horizons Ltd; 2002. p. 122-3
13. Gruenwald J. Nutraceuticals World. The Global Herbs & Botanicals market. July 1 2008. [cited 2016 Apr 19]; Available from: [URL:http://www.nutraceuticalsworld.com/issues/2008-07/view\\_features/the-global-herbs-amp-botanicals-market](http://www.nutraceuticalsworld.com/issues/2008-07/view_features/the-global-herbs-amp-botanicals-market)
14. Brenner BM. The Kidney. 6th ed. Philadelphia: WB Saunders; 2000. p. 1563-4.
15. Williams PL. The Anatomical Basis of Medicine & Surgery. 38<sup>th</sup> ed. Britain: ELBS with Churchill Livingstone; 1995. p. 1814-45.
16. Tortora GJ, Grabowski SR. Principles of Anatomy & Physiology. 10th ed. New York: John Wiley & Sons; 2003. p. 950.
17. Waugh A, Grant AW, Ross JS. Ross and Wilson Anatomy and Physiology in Health and Illness. 10th ed. China: Churchill Livingstone; 2006. p. 336-54.
18. Gutierrez RM, Gomez YG, Ramirez EB. Nephroprotective activity of *Prosthechea michuacana* against cisplatin-induced acute renal failure in rats. J Med Food 2010;13(4):911-6.
19. Brunton LL, Lazo JS, Parker KL. The pharmacological basis of therapeutics. 11th ed. USA: The McGraw- Hill companies; 2006. p. 737.
20. Budhiraja RD. Elementary Pharmacology and Toxicology. 4th ed. Mumbai: Popular Prakashan Pvt Ltd; 2011. p. 247.
21. Tripathi KD. Essentials of medical pharmacology. 5th ed. New Delhi: Jaypee brothers medical publishers (P) Ltd; 2003. p. 525.
22. Mycek MJ, Harvey RA, Champe PC. Pharmacology. 2nd ed. UK: Lippincott, Williams and Wilkins; 2000. p. 223.

23. Vanamala U, Elumalai A, Eswaraiah MC, Shaik A. An Updated Review on Diuretic Plants-2012. *Int. j. pharm. biol. sci. arch.* 2012;3(1):29-31.
24. Kumar BNS, Swamy BMV, Swamy A, Murali A. A Review on Natural Diuretics. *RJPBCS* 2010;1(4):615-34.
25. Sharma V, Verma P. *Convolvulus arvensis* - L. root extracts increase urine output and electrolytes in rats. *IJPRD* 2011;3(3):193-7.
26. Dearing MD, Mangione AM, Karasov WH. Plant Secondary Compounds as Diuretics: An Overlooked Consequence. *AMER. ZOOL.* 2001;41:890-901.
27. Gupta VK, Arya V. A review on potential diuretics of Indian medicinal plants. *J. Chem. Pharm. Res.* 2011;3(1):613-20.
28. Christina AJM, Muthumani P. Phytochemical investigation and Diuretic activity of *Abelmoschus moschatus* Medikus. *IJPCS* 2012;1(4):1311-4.
29. Balamurugan G, Selvarajan S, Balakrishnan D, Muralidharan P. Diuretic activity of *Abutilon indicum* linn (sweet) seed extract. *JHMT* 2010;4(1):49-52.
30. Krishna RPS, Lavanya B, Sireesha P, Nagarjuna S, Reddy YP. Comparative study of *Acacia nilotica* and *Acacia sinuata* for diuretic activity. *Der Pharmacia Sinica.* 2011;2(6):17-22.
31. Sumanta M, Rabinarayan P, Suresh P, Kumar DG. Studies on Diuretic and Laxative activity of *Acacia suma* (Roxb) barks. *IJRAP* 2010;1(2):510-4.
32. Mubeen US, Misra V, Banerjee S. Laxative and diuretic property of ethanolic extracts of leaves of *Alocasia macrorrhiza* Linn. on experimental albino rats. *IRJP* 2012;3(2):174-6.

33. Kumar MCS, Udupa AL, Sammodavardhana K, Rathnakar UP, Shvetha V, Kodancha GP. Acute toxicity and diuretic studies of the roots of *Asparagus racemosus* Willd in rats. West Indian Med J 2010;59(1):3-6.
34. Hossain MH, Howlader MSI, Dey SK, Hira A, Ahmed A. Evaluation of Diuretic and Neuropharmacological Properties of the Methanolic Extract of *Avicennia officinalis* L. leaves from Bangladesh. Int. J. Pharm. Phytopharmacol. Res. 2012;2(1):2-6.
35. Musale SB, Jagtap VA, Patil MS, Chittam KP, Wagh KP. Diuretic activity of *Barleria prionitis* Linn Flower extract. IJDDHR 2011;1(1):20-1.
36. Jayasree T, Kishore KK, Vinay M, Vasavi P, Dixit R, Rajanikanth M, et al, editors. Diuretic effect of chloroform extract of *Benincasa hispida* rind (pericarp) in sprague-dawley rats. IJABPT 2011;2(2):94-9.
37. Venkatesh P, Dinakar A, Senthilkumar N. Evaluation of Diuretic activity of an Alcoholic extracts of *Boerhaavia diffusa* and *Anisochilus carnosus* in rats. Int. j. drug dev. res. 2012;4(4):239-42.
38. Chitrala R, Salomi KR, Nagarjuna S, Reddy YP. Diuretic activity of methanolic and ethanolic extracts of *Centella asiatica* leaves in rats. IRJP 2011;2(11):163-5.
39. Rahman MDA, Paul P, Rahman AA. Antinociceptive, Antibacterial and Diuretic Activities of *Cerbera odollam* Gaertn roots. RJPBCS 2011;2(3):16-23.
40. Bose A, Gupta JK, Dash GK, Ghosh T, Si S, Panda DS. Diuretic and antibacterial activity of aqueous extract of *Cleome rutidosperma* D.C. IJPS 2007;69(2):292-4.
41. Baheti AM, Rathi BS, Khandelwal KR, Bodhankar SL. Diuretic activity of *Cocos nucifera* husk in rats. JNR 2006;6(1):35-37.

42. Dubey S, Verma VK, Sahu AK, Jain AK, Tiwari A. Evaluation of Diuretic activity of aqueous and alcoholic rhizome extract of *Costus speciosus* Linn. in wistar albino rats. IJRAP 2010;1(2):648-52.
43. Shivalinge Gowda KP, Satish S, Mahesh CM, Vijay K. Study on the Diuretic Activity of *Cynodon dactylon* root stalk Extract in Albino Rats. RJPT 2009;2(2):338-40.
44. Mamoon SA, Azam MG. Diuretic activity and brine shrimp toxicity of *Derris trifoliata* Lour. IJPLS 2011;2(9):1029-32.
45. Khan A, Bashir S, Gilani AH. An *in vivo* study on the diuretic activity of *Holarrhena antidysenterica*. AJPP 2012;6(7):454-8.
46. Hussain MS, Ahmed KHFN, Ansari MZH. Preliminary Studies on Diuretic effect of *Hygrophila auriculata* (Schum) Heine in rats. IJHR 2009;2(1):59-64.
47. Sharma UK, Sharma US, Singh A, Agarwal V. Diuretic activity of *Kigelia pinnata* bark extract. JPR 2010;1(2):17-20.
48. Ghule BV, Ghante MH, Yeole PG, Saogi AN. Diuretic activity of *Lagenaria siceraria* fruit extracts in rats. Indian J. Pharm. Sci 2007;68(6):817-9.
49. Patel U, Kulkarni M, Undale V, Bhosale A. Evaluation of Diuretic activity of aqueous and methanol extracts of *Lepidium sativum* Garden Cress (Cruciferae) in rats TJPR 2009;8(3):215-9.
50. Ravishankar K, Priya PSVV. Evaluation of diuretic effect of ethanolic seed extracts of *Macrotyloma uniflorum* and *Cucumis melo* in rats. IJPBS 2012;3(3):251-5.
51. Devi MSS. Acute toxicity and diuretic activity of *Mangifera indica* L. Bark extracts. IJPBS 2011;2(3):141-6.

52. Sangma TK, Meitei UD, Sanjenbam R, Khumbongmayum S. Diuretic property of aqueous extract of leaves of *Mimosa pudica* Linn. on experimental albino rats. *J. Nat. Prod* 2010;3:172-8.
53. Katedeshmukh RG, Shete RV, Otari KV, Bagade MY, Pattewar A. Acute toxicity and diuretic activity of *Mimusops elengi* extracts. *IJPBS* 2010;1(3):1-6.
54. Shenoy J, Pai PG, Shoeb A, Gokul P, Kulkarni A, Kotian MS. An evaluation of diuretic activity of *Morinda citrifolia* (Linn) (noni) fruit juice in normal rats. *Int J Pharm Pharm Sci* 2011;3(2):119-21.
55. Jha U, Shelke TT, Oswal RJ, Rajesh KS. Diuretic effect of methanolic extract of *Musa paradisiaca* L root in rats. *Der Pharmacia Lettre*. 2011;3(4):404-7.
56. Devi P, Meera R, Muthumani P, Chilakalapudi R, Thota V, Murthy DVD, et al, editors. Evaluation of Alcoholic and Aqueous Extracts of *Nicandra Physalodes* Leaves for Diuretic Activity. *Int. j. pharm. biol. sci. arch.* 2010;1(4):331-4.
57. Madhavan V, Goswami P, Murali A, Yoganarasimhan S. Diuretic activity studies on the root of *Nothosaerva brachiata* Wight in Wistar rats. *Spatula DD*. 2012;2(3):181-6.
58. Biradar K, Khavane K, Payghan S, Ramchandra SS. Evaluation of Diuretic activity of *Phyllanthus fraternus* Web arial parts on albino rats. *Int. j. pharm. biol. sci. arch.* 2010;1(4):389-92.
59. Saravanan C, Kumar SS, Anandan R, Narayanaswamy VB, Varunraj S. Anti-inflammatory and Diuretic effect of plant extracts of *Pseudarthria viscid* (L.) weight and Arn. *IJRAP* 2010;1(2):506-9.
60. Vargas R, Perez RM, Perez S, Zavala MS, Perez C. Antiurolithiatic activity of *Raphanus sativus* aqueous extract on rats. *J Ethnopharmacol* 1999;68(1-3):335-8.

61. Rao KNV, Sunitha Ch, Banji D, Sandhya S, Shwetha D, Krishna M. Diuretic activity on different extracts and formulation on aerial parts of *Rumex vesicarius*. Linn. JoCPR 2011;3(6):400-8.
62. Jayakody JRAC, Ratnasooriya WD, Fernando WANA, Weerasekara KR. Diuretic activity of leaves extracts of hot water infusion of *Ruta graveolens* L. in rats. JPT 2011;6(5):525-32.
63. Bhadoriya U, Tiwari S, Sharma P, Bankey S, Mourya M. Diuretic activity of extract of *Salvia officinalis* L. AJPLS 2011;3(3):245-7.
64. Eswaraiah MC, Elumalai A, Nikhitha M, Areefa S, Mamatha A, Usha, et al, editors. Evaluation of Diuretic Activity of Aqueous and Methanol extracts of *Sesbania grandiflora* Linn in rats. Int J PharmTech Res. 2012;4(2):835-8.
65. Patil SA, Sambrekar SN. Diuretic potential of whole plant extract of *Solanum surattense* Burm in experimental rats. IJPCS 2012;1(4):1380-6.
66. Yadav R, Yadav N, Kharya MD, Savadi R. Preliminary studies on diuretic effect of *Spilanthes acmella* leaves extracts in rats. Int J Pharm Pharm Sci 2011;3(3):245-7.
67. Dabheliya J, Khan SA, Joshipura M, Vasoya M, Patel S, Vijaya S. Diuretic potential of aqueous extract of fruits of *Withania coagulans* Dunal in experimental rats. Int J Pharm Pharm Sci 2010;2(4):51-3.
68. Afzal M, Khan NA, Ghufran A, Iqbal A, Inamuddin M. Diuretic and Nephroprotective effect of Jawarish Zarooni Sada-A Poly herbal Unani formulation. J Ethnopharmacol 2004(91):219-23.
69. Porter GA, Bennett WM. Nephrotoxic acute renal failure due to common drugs. AM J Physiol 1981;241(7):F1-F8.

70. Hoitsma AJ, Wetzels JF, Koene RA. Drug induced nephrotoxicity. Aetiology, clinical features and management. *Drug Saf.* 1991;6(2):131-47.
71. Paller MS. Drug induced nephropathies. *Med Clin North Am* 1990;74(4):909-17.
72. Gaikwad K, Dagle P, Choughule P, Joshi YM, Kadam V. A review on some nephroprotective medicinal plants. *IJPSR* 2012;3(8);2451-4.
73. Herfindal, Gourley. Text book of therapeutic drug and disease management. 7th ed. London: Charcil Livingstone; 2000. p. 425-36.
74. Barry M, Brenner, Floyd C, Rector. The kidney. 6th ed. Philadelphia: W.B. Saunders Company; 2000. vol I p. 3-67.
75. Schrier RW, Gottschalk CW. Diseases of the kidney. 5th ed. Boston: Little Brown; 1993. p. 1031-165.
76. Hannemann J, Baumann K. Cisplatin-induced lipid peroxidation and decrease of gluconeogenesis in rat kidney cortex: Different effects of antioxidants and radical scavengers. *Toxicology* 1988;51:119-32.
77. Sadzuka Y, Shoji T, Takino Y. Mechanism of the increase in lipid peroxide induced by cisplatin in the kidneys of rats. *Toxicol Lett.* 1992;62(2-3):293-300.
78. Ali BH, Al Moundhri MS. *Food Chem. Toxicol.* 2006;44:1173-83.
79. Balchley, J.D. and Hill, J.B. Renal and electrolyte disturbances associated with cisplatin. *Ann. Intern. Med.* 1981;95:628-32.
80. Davison AM, Cameron JS, Grunfeld JP, Kerr DNS, Ritz E, Winearls CG, et al, editors. *Oxford Textbook of Clinical*



- Nephrology. 2<sup>nd</sup> ed. Oxford: Oxford University Press; 1988. p. 2650-3.
81. Brenner BM. Brenner & Rector's The Kidney. 6th ed. Philadelphia, PA: WB Saunders Company; 2000. p. 1563-4.
  82. Yapar K, Kart A, Karapehlivan M, Atakisi O, Tunca R, Erginsoy S, et al, editors. Hepatoprotective effect of l-carnitine against acute acetaminophen toxicity in mice. *Exp Toxicol Pathol* 2007;59:121-8.
  83. Nelson SD. Mechanisms of the formation and disposition of reactive metabolites that can cause acute liver injury. *Drug Met. Res.* 1995;27:147-77.
  84. Boelsterli UA. Specific targets of covalent drug-protein interactions in hepatocytes and their toxicological significance in drug-induced liver injury. *Drug Met. Res.* 1993;25:395-451.
  85. Holtzman JL. The role of covalent binding to microsomal proteins in the hepatotoxicity of acetaminophen. *Drug Metab. Rev.* 1995;27:277-97.
  86. Placke ME, Wyand DS, Cohen SD. Extrahepatic lesions induced by acetaminophen in the mouse. *Toxicol. Pathol.* 1987;15:381-7.
  87. Trumper L, Monasterolo LA, Elias MM. Probenecid protects against in vitro acetaminophen induced nephrotoxicity in male Wistar rats. *J Pharmacol Exp Therapeut* 1998;283:606-10.
  88. Ghosh A, Sil PC. Anti-oxidative effect of a protein from *Cajanus indicus* L. against acetaminophen-induced hepato-nephro toxicity. *Biochem Mol Biol* 2007;40:1039-49.
  89. Gulnaz H, Tahir M, Munir B, Swami W. Protective effects of garlic oil on acetaminophen induced Nephrotoxicity in male albino rats. *Biomedica* 2010;26:9-15.

90. Carpenter HM, Mudge GH. Acetaminophen nephrotoxicity: studies on renal acetylation and deacetylation. *J Pharmacol Exp Ther.* 1981;218(1):161-7.
91. Jones AF, Vale JA. Paracetamol poisoning and the kidney. *J. Clin. Pharm. Ther.* 1993;18:5-8.
92. Eguia L, Materson BJ. Acetaminophen related acute renal failure without fulminant liver failure. *Pharmacotherapy* 1977;17:363-70.
93. Ray SD, Mumaw VR, Raje RR, Fariss MW. Protection of AAP induced hepatocellular apoptosis and necrosis by cholesteryl hemisuccinate pretreatment. *JPET* 1996;279:1470-83.
94. Webster PA, Roberts DW, Benson RW, Kearns GL. Acetaminophen toxicity in children diagnostic confirmation using specific antigen biomaker. *J. Clin. Pharmacol.* 1996;36:397-402.
95. Montilla P, Barcos M, Munoz MC, Bujalance in *streptozotocin*-induced diabetic rats. *J. Biochem. Mol. Biol.* 2005;38:539-44.
96. Mansour HH, Hafez HF, Fahmy NM. Silymarin modulates Cisplatin-induced oxidative stress and hepatotoxicity in rats. *J. Biochem. Mol. Biol.* 2006;39:656-61.
97. El-Beshbishy HA. Hepatoprotective effect of green tea [*Camellia sinensis*] extract against tamoxifen-induced liver injury in rats. *J. Biochem. Mol. Biol.* 2005;38:300-6.
98. Slitt AML, Dominick PK, Roberts JC, Cohen SD. Effects of ribose cysteine pretreatment on hepatic and renal Acetaminophen Metabolite formation and glutathione depletion. *Basic Clin Pharmacol Toxicol* 2005;96:487-94.

99. Gamel el-din AM, Mostafa AM, Al-Shabanah O, Al-Bekairi AM, Nagi MN. Protective effect of Arabic gum against acetaminophen induced hepatotoxicity in mice. *Pharmacol Res* 2003;48:631-5.
100. Presscott L. Oral or Intravenous N-Acetylcysteine for Acetaminophen poisoning? *Ann Emerg Med*. 2005;45:409-13.
101. Mugford CA, Tarloff JB. The contribution of oxidation and deacetylation to acetaminophen Nephrotoxicity in female Sprague-Dawley rats. *Toxicol Lett* 1997;93:15-22.
102. Melo DAS, Saciura VC, Poloni JAT, Oliveria CSA, Filho JCFA, Padilha RZ, et al, editors. Evaluation of renal enzymeuria and cellular excretion as a marker of acute nephrotoxicity due to an overdose of acetaminophen in Wistar rats. *Clin Chem Acta* 2006;373:88-91.
103. Liebert JJ, Matlawska I, Bylka WM, M Marek. Protective effect of *Aquilegia vulgaris* (L) on APAP-induced oxidative stress in rats. *J Ethanopharmacol* 2005;97:351-8.
104. Hu JJ, Yoo JSH, Lin M, Wang EJ, Yang CS. Protective effects of diallyl disulfide on Acetaminophen induced toxicities. *Food Chem Toxicol* 1996;34:963-9.
105. Abdel-Zaher AO, Abdel-Hady RA, Mahmoud MM, Farrag MMY. The potential protective role of alphasalicylic acid against acetaminophen-induced hepatic and renal damage. *Toxicol* 2008;243:261-70.
106. Suzuki SS, Takamura J, Yoshida Y, Shinzawa, Niwat, Tamatani SR. Comparison of gentamicin nephrotoxicity between rats and mice. *Camp. Biochem. Physiol.* 1995;1:15-28.
107. Kore KJ, Shete RV. Effect of *Abutilon indicum* extract in gentamicin induced nephrotoxicity. *IJPRD*. 2011 Oct;3(7):73-9.

108. Palani S, Raja S, Kumar PR, Parameswaran P, Kumar SB. Therapeutic efficacy of *Acorus calamus* on acetaminophen induced nephrotoxicity and oxidative stress in male albino rats. *Acta. Pharma. Sci.* 2010;52:89-100.
109. Movaliya V, Khamar D, Setty MM. Nephroprotective activity of aqueous extract of *Aerva javanica* roots in cisplatin induced renal toxicity in rats. *PhOL* 2011;1:68-74.
110. Pareta SK, Patra KC, Harwansh R, Kumar M, Meena KP. Protective effects of *Boerhaavia diffusa* against Acetaminophen-Induced nephrotoxicity in Rats. *PhOL* 2011;2:698-706.
111. Debnath S, Babre N, Manjunath YS, Mallareddy V, Parameshwar P, Hariprasath K. Nephroprotective evaluation of ethanolic extract of the seeds of papaya and pumpkin fruit in cisplatin-induced nephrotoxicity. *J Pharm Sci Technol* 2010;2(6):241-6.
112. Jijon EM, Tapia E, Zazueta C, Hafidi ME, Barron ZLZ, Pando RH, et al, editors. Curcumin prevents Cr (VI)-induced renal oxidant damage by a mitochondrial pathway. *Free Radic Biol Med* 2011;51:1543-57.
113. Kore KJ, Shete RV, Jadhav PJ. RP-HPLC method of simultaneous Nephroprotective role of *A. MARMELLOS* extract. *IJRPC* 2011;1(3):617-23.
114. Alam SM, Kaur G, Jabbar Z, Javed K, Athar M. *Eruca sativa* seeds possess antioxidant activity and exert a protective effect on mercuric chloride induced renal toxicity. *FCT* 2007;45:910–20.
115. Pracheta P, Sharma V, Singh L, Paliwal R, Sharma S, Yadav S, et al, editors. Chemopreventive effect of hydroethanolic extract of *Euphorbia neriifolia* leaves against DENA-Induced renal carcinogenesis in mice. *Asian Pac J Cancer Prev* 2011;12:677-83.
116. Yadav YC, Srivastava DN, Saini V, Singhal S, Seth AK, Sharadkumar, et al, editors. Nephroprotective and curative

- Activity of methanolic extract of *Ficus religiosa* L. latex in Albino Rats Using Cisplatin Induced Nephrotoxicity. PhOL 2011;1:132-9.
117. Welta K, Weissa J, Martinb R, Hermsdorfc T, Drewsa S, Fitzla G. *Ginkgo biloba* extract protects rat kidney from diabetic and hypoxic damage. Phytomedicine 2007;14:196–203.
118. Palani S, kumar SB, Kumar PR, Devi K, Venkatesan D, Sathendra RE. Effect of the ethanolic extract of *Indigofera barberi* (L) in acute Acetaminophen - Induced Nephrotoxic Rats”, Adv. Biotech. 2008;(9):28-31.
119. Ranjan R, Swarup D, Patra RC, Chandra V. *Tamarindus indica* L. and *Moringa oleifera* M. Extract administration ameliorates fluoride toxicity in rabbits. Indian J Exp Bio 2009;47(11):900-5.
120. Kannappan N, Madhukar, Mariymmal, Sindhura UP, Mannavalan R. Evaluation of nephroprotective activity of *Orthosiphon stamineus* Benth extract using rat model. Int J PharmTech Res 2010;2(3):209-15.
121. Shelke TT, Kothai R, Adkar PP, Bhaskar VH, Juvale KC, Kamble BB, et al, editors. Nephroprotective activity of ethanolic extract of dried fruits of *Pedalium murex* Linn. J Cell Tissue Res 2009;9(1):1687-90.
122. Palani S, Raja S, Kumar PR, kumar SJ, Kumar SB. Therapeutic efficacy of *Pimpinella tirupatiensis* (Apiaceae) on acetaminophen induced nephrotoxicity and oxidative stress in male albino rats”, Int J PharmTech Res 2009;1(3):925-34.
123. Ahmed MM, Ali SE. Protective effect of pomegranate peel ethanol extract against ferric nitrilotriacetate induced renal oxidative damage in rats. J Cell Mol Bio 2010;7(2),8(1):35-43.
124. Divakar K, Pawar AT, Chandrasekhar SB., Dighe SB, Divakar G. Protective effect of the hydro-alcoholic extract of *Rubia*

- cordifolia* roots against ethylene glycol induced urolithiasis in rats. FCT 2010;48:1013–8.
125. Varghese R, Moideen MM, Suhail MMJ, Dhanapal CK. Nephroprotective effect of ethanolic extract of *Strychnos potatorum* Seeds in Rat Models. RJPBCS 2011;2(3):521-9.
126. Ghaisas MM, Navghare VV, Takawale AR, Zope VS, Phanse MA. Antidiabetic and Nephroprotective effect of *Tectonagrandis* L in alloxan induced diabetes. Ars pharm 2010;51(4):195-206.
127. Sreedevi A, Bharathi K, Prasad KVSRG. Effect of *Vernoniacinerea* aerial parts against Cisplatin-induced nephrotoxicity in rats. PhOL 2011;2:548-55.
128. Lakshmi MS, Reddy UKT, Rani SKS. A review on medicinal plants for nephroprotective activity. Asian J Pharm Clin Res 2012;5(4):8-14.
129. Mitra SK. Effect of Cystone, an Herbal Formulation on Glycolic Acid Induced Urolithiasis. Phytother. Res. 1998;(12):372-4.
130. Agarwal VS. Drug Plants of India. 1<sup>st</sup> ed. New Delhi: Kalyani Publishers; 1997. vol 1 p. 222-3.
131. Chatterjee A, Pakrashi SC. The Treatise on Indian Medicinal Plants. New Delhi: National Institute of Science Communication & Information Resources, CSIR; 2003. vol 3 p. 118.
132. Dhiman AK. Ayurvedic Drug Plants. Delhi: Daya Publishing House; 2006. p. 163-4.
133. Warriar PK, Nambiar VP, Ramankutty C. Indian Medicinal Plants, Chennai: Orient Longman Limited; 2002. vol 1 p. 271.
134. Nadkarni AK. The Indian Materia Medica. 3<sup>rd</sup> ed. Mumbai: Popular Prakashan Pvt. Ltd; 2002. vol 1 p. 199.

135. Kirtikar KR, Basu BD. Indian Medicinal Plants. 2<sup>nd</sup> ed. Dehradun: International Book Distributors; 1999. vol 1 p. 440-1.
136. Leopold J, Gerhard B, Andrea W, Mohamed PS, Beena J. Medicinal used plants from India: analysis of the essential oil of air-dried *Biophytum sensitivum* (L.) DC. Scientia Pharmaceutica 2004;72(1):87-96.
137. Yun-Lian L, Wan-Yi W. Chemical constituents of *Biophytum sensitivum*. Zhonghua vaoxue zazhi 2003;55(1):71-5.
138. Puri D, Baral N. Hypoglycaemic effect of *Biophytum sensitivum* in the alloxan diabetic rabbits. Indian J Physio Pharmacol 1998;42(3):401-6.
139. Jachak SM, Bucar F, Kartnig T. Antiinflammatory activity of *Biophytum sensitivum* in carrageenin induced rat raw oedema. Phytother Res 1999;13(1):73-4.
140. Puri D. Hypocholesterolemic effect of *Biophytum sensitivum* leaf water extract. Pharm boil. 2003;41(5):253-8.
141. Natarajan D, Shivakumar MS, Srinivasan R. Antibacterial activity of leaf extracts of *Biophytum sensitivum* (L.) DC. J Pharm Sci Res. 2010;2(11):717-20.
142. Guruvayoorappan C, Afira AH, Kuttan G. Antioxidant potential of *Biophytum sensitivum* extract in vitro and in vivo. J Basic Clin Physiol Pharmacol. 2006;17(4):255-67.
143. Guruvayoorappan C, Kuttan G. Anti-angiogenic effect of *Biophytum sensitivum* is exerted through its cytokine modulation activity and inhibitory activity against VEGF mRNA expression, endothelial cell migration and capillary tube formation. J Exp Ther Oncol. 2007;6(3):241-50.

144. Guruvayoorappan C, Kuttan G. Immunomodulatory and antitumour activity of *Biophytum sensitivum* extract. Asian Pac J Cancer Prev 2007 Jan-Mar;8(1):27-32.
145. Bhaskar VH, Rajalakshmi V. Anti-tumour activity of aqueous extract of *Biophytum sensitivum* Linn. Ann Boil Research 2010;1(3):76-80.
146. Puri D. The insulinotropic activity of a Nepalese medicinal plant *Biophytum sensitivum*: preliminary experimental study. J Ethnopharmacol. 2001;78(1):89-93.
147. Puri D. Screening mildly hypoglycaemic compounds: Obese British angora rabbits with borderline glucose intolerance as animal model. Indian J Pharm Sci. 2006;68(5):579-83.
148. Inngjerdingen KT, Coulibaly A, Diallo D, Michaelsen TE, Paulsen BS. A complement fixing polysaccharide from *Biophytum petersianum* Klotzsch, a medicinal plant from Mali. Biomacromolecules 2006;7(1):48-53.
149. Guruvayoorappan C, Kuttan G. Apoptotic effect of *Biophytum sensitivum* on B16F-10 cells and its regulatory effects on nitric oxide and cytokine production on tumour-associated macrophages. Integr Cancer Ther. 2007 Dec;6(4):373-80.
150. Guruvayoorappan C, Kuttan G. Amentoflavone, a biflavonoid from *Biophytum sensitivum* augments lymphocyte proliferation, natural killer cell and antibody dependent cellular cytotoxicity through enhanced production of IL-2 and IFN-gamma and restrains serum sialic acid and gamma glutamyl transpeptidase production in tumour - bearing animals. J Exp Ther Oncol. 2007;6(4):285-95.
151. Guruvayoorappan C, Kuttan G. Evaluation of the chemoprotective effect of *Biophytum sensitivum* (L.) DC extract



- against cyclophosphamide induced toxicity in Swiss albino mice. *Drug Metabol Drug Interact* 2007;22(2-3):131-50.
152. Guruvayoorappan C, Kuttan G. Effect of *Biophytum sensitivum* on cell-mediated immune response in mice. *Immunopharmacol Immunotoxicol* 2007;29(3-4):337-50.
153. Guruvayoorappan C, Kuttan G. Anti-metastatic effect of *Biophytum sensitivum* is exerted through its cytokine and immunomodulatory activity and its regulatory effect on the activation and nuclear translocation of transcription factors in B16F-10 melanoma cells. *J Exp Ther Oncol*. 2008;7(1):49-63.
154. Guruvayoorappan C, Kuttan G. Inhibition of tumour specific angiogenesis by amentoflavone. *Biochemistry (Mosc)* 2008 Feb;73(2):209-18.
155. Guruvayoorappan C, Kuttan G. *Biophytum sensitivum* (L.) DC inhibits tumour cell invasion and metastasis through a mechanism involving regulation of MMPs, prolyl hydroxylase, lysyl oxidase, nm23, ERK-1, ERK-2, STAT-1, and proinflammatory cytokine gene expression in metastatic lung tissue. *Integr Cancer Ther* 2008 Mar;7(1):42-50.
156. Guruvayoorappan C, Kuttan G. Methanol extract of *Biophytum sensitivum* alters the cytokine profile and inhibits iNOS and COX-2 expression in LPS/Con A stimulated macrophages. *Drug Chem Toxicol* 2008;31(1):175-88.
157. Titrikou S, Eklugadegbeku K, Mouzou A, Aklikokou K, Gbeassor M. Calcium Antagonistic Activity of *Biophytum petersianum* on Vascular Smooth Muscles of Wistar Rat. *Iranian J Pharmacol Ther*. 2007;6(2):185-9.
158. Jones C, Wilson JM. The Effects of Temperature on Action Potentials in the Chill Sensitive Seismonastic Plant *Biophytum sensitivum*. *J Exp bot*. 1982; 33(2): 313-20.

159. Chatterjee TK, Mishra M, Pramanik KC, Bandyopadhyay D. Evaluation of anti-inflammatory, antipyretic and analgesic properties of *Biophytum sensitivum* (L.) DC. Indian Drugs 2008;45(2):123-31.
160. Ananda PK, Kumarappan CT, Sunil C, Kalaichelvan VK. Effect of *Biophytum sensitivum* on streptozotocin and nicotinamide-induced diabetic rats. Asian Pac J Trop Biomed. 2012;2(1):31–5.
161. Banerjee A, Rashid MHA, Rahman A, Pal TK. In-vivo Screening of Ethanolic Extract of *Biophytum sensitivum* DC Leaves on Peptic Ulcer Induced by Aspirin in Wistar Albino Rats. Int. J. Pharm. Phytopharmacol. Res. 2014;3(6):418-22.
162. Kalitaa P, Pal TK, Dey BK, Chakrabarty A, Lahkar S, Deka S. Methanolic whole plant extract of *Biophytum sensitivum* modifies the testicular damage in Streptozotocin induced diabetic rats. Der Pharmacia Sinica 2014;5(5):86-90.
163. Sakthivel KM, Guruvayoorappan C. Modulating effect of *Biophytum sensitivum* extract on rats with acetic acid-induced ulcerative colitis. Pharm Biol. 2014;52(12):1570-80.
164. Kala SC, Vijayalakshmi M, Khalivulla SI, Mallikarjuna K. Phytochemical and Antimicrobial Analysis of Callus Extracts of *Biophytum sensitivum* (Linn) DC. Br Microbiol Res J. 2014;4(8):869-84.
165. Uma C, Sekar KG. Elemental analysis of *Biophytum sensitivum* DC. IJAPBC 2014;3(3):583-8.
166. Saritha1 B, Brindha P. Wound healing potential of *Biophytum sensitivum* (L.) DC.: An ayurvedic drug. J. Chem. Pharm. Res. 2015;7(3):87-94.
167. Pawar AT, Vyawahare NS. Protective effect of standardized extract of *Biophytum sensitivum* against calcium oxalate urolithiasis in rats. B-FOPCU 2015;53:161–72.

168. Johnson M, Shibila T, Revathy I, Utchimahali M, Ramesh M. Biopotency of *Biophytum sensitivum* DC. Research in Pharmacy 2015;5:42-8.
169. Pawar AT, Vyawahare NS. Anti-urolithiatic activity of standardized extract of *Biophytum sensitivum* against zinc disc implantation induced urolithiasis in rats. J Adv Pharm Technol Res. 2015 Oct-Dec;6(4):176-82.
170. Dhiman AK. Ayurvedic Drug Plants. Delhi: Daya Publishing House; 2006: p.163-4.
171. The Ayurvedic Pharmacopoeia of India. Delhi: Government of India Ministry of Health & Family Welfare Department of ISM & H. 2007;1(2): 56 p.
172. The Wealth of India. 10th ed. New Delhi: CSIR; 1982. p. 100-4.
173. Williamson EM. Major Herbs of Ayurveda. China: Churchill Livingstone; 2002. p. 279-82.
174. Sengupta P, Das PB. Terpenoids and Related compounds Part IV, Triterpenoids the stem –bark of *Eugenia jambolana* Lam. Indian Chem. Soc 1965;42(4):255-8.
175. Bhargava KK, Dayar R, Seshadri TR. Chemical components of *Eugenia jambolana* stem bark. Current Sci 1974;43(20):645-6.
176. Jabeen K, Javaid A. Antifungal activity of *Syzygium cumini* against *Ascochyta rabiei*-the cause of chickpea blight. Nat Prod Res 2010 Jul;24(12):1158-67.
177. Goyal PK, Verma P, Sharma P, Parmar J, Agarwal A. Evaluation of anti-cancer and anti-oxidative potential of *Syzygium Cumini* against benzo[a]pyrene (BaP) induced gastric carcinogenesis in mice. Asian Pac J Cancer Prev 2010;11(3):753-8.

178. Helmstadter A. *Syzygium cumini* (L.) SKEELS (Myrtaceae) against diabetes--125 years of research. *Pharmazie* 2008 Feb;63(2):91-101.
179. Ravi K, Sivagnanam K, Subramanjan S. Antidiabetic activity of *Eugenia jambolana* seed kernels on streptozotocin induced diabetic rats. *J Med Food* 2004;7(2):187-91.
180. Muruganandan S, Srinivasan K, Chandra S, Tandan SK, Lal J, Raviprakash V. Anti-inflammatory activity of *Syzygium cumini* bark. *Fitoterapia* 2001;72(4):369-75.
181. Rajasekaran M, Bapana JS, Lakshmanan AG, Ramchandran N, Veliath AJ, Panchanadam M. Antifertility effect in male rats of oleanolic acid, a triterpene from *Eugenia jambolana* flowers. *J Ethnopharmacol.* 1998;24(1):115-21.
182. Ruan PZ, Zhang LL, Lin MY. Evaluation of the antioxidant activity of *Syzygium cumini* leaves. *Molecules* 2008;13:2545-56.
183. De Lima TCM, Klueger PA, Pereira PA, Macedo-Neto WP, Morato GS. Behavioural effects of crude and semipurified extracts of *Syzygium cumini* Linn Skeels. *Phytother Res.* 1998;12(7):488-93.
184. Chaturvedi A, Kumar MM., Bhawani G, Chaturvedi H. Effect of ethanolic extract of *Eugenia jambolana* seeds on gastric ulceration and secretion in rats. *Indian J Pysiol Pharmacol.* 2007;51(2):131-40.
185. Rana NS, Joshi MN. Investigation on the antiviral activity of ethanolic extracts of *Syzygium* species. *Fitoterpia* 1992;63(3):542-4.
186. Meshram GA, Yadav SS, Shinde D, Patil B, Singh D. Antibacterial Study and Effect of Ethanolic Extracts of *Syzygium cumini* Seeds Powder on Glucoamylase *invitro*. *J Pharm Sci & Res.* 2011;3(2):1060-3.

187. Kumar A, Ilavarasan R, Jayachandran T, Deecaraman M, Aravindan P, Padmanabhan N, Krishan MRV. Anti-diabetic activity of *Syzygium cumini* and its isolated compound against streptozotocin-induced diabetic rats. *J Med Plants Res.* 2008;2(9):246-9.
188. Gowri SS, Vasantha K. Phytochemical Screening and Antibacterial Activity of *Syzygium cumini* (L.) (Myrtaceae) Leaves Extracts. *Intl J PharmTech Res.* 2010;2(2):1569-73.
189. Bhargava S, Bhargava P, Jain UK. Evaluation of ulcer-protective and antimicrobial activity of *Syzygium cumini* (linn.) Skeels leaves. *PhOL* 2009;3:266-74.
190. Zhang LL, Lin YM. Antioxidant tannins from *Syzygium cumini* fruit. *Afr J Biotechnol.* 2009;8(10):2301-9.
191. Jyothi KS, Rao BS. *In vitro* antibacterial activity of cold and hot methanol extracts of *Syzygium cumuni* L. leaves. *Intl J Pharm Res Dev.* 2012;1(1):19–22.
192. Afify AEMR, Fayed SA, Shalaby EA, El-Shemy HA. *Syzygium cumini* (pomposia) active principles exhibit potent anticancer and antioxidant activities. *Afr J Pharm Pharmacol.* 2011;5(7):948-56.
193. Panchavarnakili N, Selvi, Pavai D, Panneerselvam A, Prabakaran M. Antimicrobial studies and phytochemical screening of stem bark in *Syzygium cumini* (L.) and *Lannea coromentalica* Houtt (Merr.). *Asian J Plant Sci Res.* 2012;2(2):89-94.
194. Mehta BK, Nigam V, Nigam R, Singh A. Gas chromatography mass spectrometry (GC-MS) analysis of the hexane extract of the *Syzygium cumini* bark. *J Med Plants Res.* 2012; 6(25):4163-6.
195. Sreevani D, Devaraju T, Ravi sekhar P, Savitri Y, Nagalakshamma K, Yashodamma N. Antihyper glycemc activity of leaf extracts of *Syzygium alternifolium* (wight) walp.

- and *Syzygium cumini* (linn.) skeels in stz induced diabetic rats. The Ecoscan 2011;1:93-7.
- 196.** Zheng N, Wang Z, Chen F, Lin J. Evaluation to the antioxidant activity of total flavonoids extract from *Syzygium jambos* seeds and optimization by response surface methodology. Afr J Pharm Pharmacol. 2011;5(21):2411-9.
- 197.** Ugbabe GE, Ezeunala MN, Edmond IN, Apev J, Salawu OA. Preliminary Phytochemical, Antimicrobial and Acute Toxicity Studies of the Stem, bark and the Leaves of a cultivated *Syzygium cumini* Linn. (Family: Myrtaceae) in Nigeria. Afr J Biotechnol. 2010;9(41):6943-7.
- 198.** Mohamed AA, Ali SI, El-Baz FK. Antioxidant and antibacterial activities of crude extracts and essential oils of *Syzygium cumini* leaves. PLoS One 2013;8(4):e60269.
- 199.** Prasad R, Swamy VS. Antibacterial Activity of Silver Nanoparticles Synthesized by Bark Extract of *Syzygium cumini*. J. Nanopart. 2013;431218:1-6.
- 200.** Siani AC, Souza MC, Henriques MGMO, Ramos MFS. Anti-inflammatory activity of essential oils from *Syzygium cumini* and *Psidium guajava*. Pharm. Biol. 2013;51(7): 881-7.
- 201.** Ribeiro RM, Neto VFP, Ribeiro KS, Vieira DA, Abreu IC, Silva SN, Cartágenes MSS, Freire SMF, Borges ACR, and Borges MOR. Antihypertensive Effect of *Syzygium cumini* in Spontaneously Hypertensive Rats. Evid. Based Complement. Alternat. Med. 2014;605452:1-7.
- 202.** Herculano EA, Costa CDF, Rodrigues AKBF, Araujo-Junior JX, Santana AEG, Franca PHB, Gomes EA, Salvador MJ, Moura F BP, Ribeiro1 EAN. Evaluation of Cardiovascular Effects of Edible Fruits of *Syzygium cumini* Myrtaceae (L) Skeels in Rats. Trop J Pharm Res Nov 2014;13(11):1853-61.

203. Bona KSD, Bonfanti G, Bitencourt PER, Cargnelutti LO, Silva PS, Silva TP, Zanette RA, Pigatto AS, Moretto MB. *Syzygium cumini* is more effective in preventing the increase of erythrocytic ADA activity than phenolic compounds under hyperglycemic conditions *in vitro*. J Physiol Biochem June 2014;70(2):321-30.
204. Gupta M, Sharma S, Bhadauria R. Fungitoxic activity of fruit extracts of *Syzygium cumini* (L.) Skeels against plant pathogenic fungi *Alternaria alternata* and *Fusarium oxysporum*. Arch Phytopathology Plant Protect 2015;48(4):354-64.
205. Pareek A, Meena RK, Yadav B. Antimicrobial activity of *Syzygium cumini*. Botany Sep 2015;5(9):64-6.
206. Kapoor S, Ranote PS. Antioxidant Potentials and Quality of Blended Pear-Jamun (*Syzygium cumini* L.) Juice. Int. Res. J. Biological Sci. April 2015;4(4):30-7.
207. Ruthurusamy SK, Dheeba B, Hameed SS, Palanisamy S. Anti-cancer and anti-oxidative potential of *Syzygium cumini* against breast cancer cell lines. J. chem. pharm. res. 2015;7(10):449-60.
208. Vogel GH, Vogel WH. Drug Discovery and Evaluation: Pharmacological Assays. 3rd ed. New York: Springer-Verlag Berlin Heidelberg 2008;1:459-68.
209. Zhang Y, Zhang Z, Yang Y, Zu X, Guan D, Wang Y. Diuretic Activity of *Rubus idaeus* L (Rosaceae) in Rats. Tropical Journal of Pharmaceutical Research June 2011;10(3):243-8.
210. Patel BR, Ashok BK, Ravishankar B. Study on the diuretic activity of *Veerataru Kwatha* in albino rats. Ayu. 2011 Jul-Sep;32(3):395-7.
211. Bhusan SH, Kumar AA, Ashish TF, Lal KM. Evaluation of Polyherbal formulation for Diuretic activity in albino rats. Asian Pac J Trop Dis 2012:S442-5.

212. Shelkea TT, Bhaskarb VH, Adkara PP, Jhaa U, Oswala RJ. Nephroprotective activity of ethanolic extract of stem barks of *Crataeva nurvula* buch hum. IJPSR 2011;2(10):2712-7.
213. Portella VG, Cosenza GP, Diniz LRL, Pacheco LF, Caliari DCMV, Brandão MGL, et al, editors. Nephroprotective Effect of *Echinodorus macrophyllus* Micheli on Gentamicin-Induced Nephrotoxicity in Rats. Nephron Extra 2012;2:177-83.
214. Sasikumar V, Menon SG. Antioxidant activity and nephroprotective effects of aqueous extract of *Pleurotus eous* (berk.) sacc.: (apk1) pink edible oyster mushroom. IJPBS 2011 jul-sep;2(3):B-92-103.
215. Sarumathy K, Rajan MSD, Jayakanthi TVJ. Evaluation of phytoconstituents, nephro-protective and antioxidant activities of *Clitoria ternatea*. JAPS 2011;01(05):164-72.
216. Shi YW, Wang CP, Wang X, Zhang YL, Liu L, Wang RW, Ye JF, Hu LS, Kong LD. Uricosuric and nephroprotective properties of *Ramulus Mori* ethanol extract in hyperuricemic mice. J Ethnopharmacol 2012;143:896-904.
217. Rameshkumar A, Sivasudha T, Jeyadevi R, Sangeetha B, Aseervatham GSB, Maheshwari M. Profiling of phenolic compounds using UPLC-Q-TOF-MS/MS and nephroprotective activity of Indian green leafy vegetable *Merremia emarginata* (Burm. f.). Food Res Int 2013;50:94-101.
218. Khandelwal KR. Practical Pharmacognosy. 2nd ed. Pune: Nirali Prakashan; 2000. p. 11-16,65,78,149-53,157-9,164.
219. Rangari V. Pharmacognosy and Phytochemistry. Nashik: Career publications; 2002. vol I p. 90-1.
220. Evans WC. Trease and Evans Pharmacognosy. 15th ed. UK: Harcourt Publishers Ltd; 2002. p. 98-9.



221. Kokate CK. Practical Pharmacognosy. New Delhi: Vallabh Prakashan; 1986. p. 135-6.
222. Wagner H, Blatt S, Zgainski EM. Plant Drug Analysis - A thin Layer Chromatography Atlas. New York: Springer-Verlag; 1984. p. 163-73.
223. Januario AH, Lourenco MV, Domezio LA, Pietro RC, Castilho MS, Tomazela DM, et al, editors. Isolation and structure determination of bioactive isoflavones from callus culture of *Dipteryx odorata*. Chem pharm Bull 2005;53(7):740-2.
224. Karel M. Pharmaceutical Applications of Thin-layer and Paper Chromatography. Amsterdam: Elsevier Publishing Company; 1972. p. 569-77.
225. Sethi PD. HPTLC Quantitative analysis of Pharmaceutical Formulation. New Delhi: CBS Publication and Distributors; 1996. p. 3-14,18-31.
226. Ruckmani KB, Jaykar, Anandan R. Diuretic Activity of *Moringa oleifera* Lam. Indian Drugs 1997;34(5):289-90.
227. Hemlata S, Joshi H, Joshi A. Diuretic Activity of Ethanolic Extract of *Ervatamia heyneana* Roots. The Pharma Review 2009;38(7):148-50.
228. Bowers LD. Kinetic serum creatinine assays I. The role of various factors in determining specificity. Clin Chem. 1980;26(5):551-4.
229. Trinder P. Determination of blood glucose using 4-amino phenazone as oxygen acceptor. J Clin Pathol. 1969;22(2):246.
230. Talke H, Schubert GE. Enzymatic urea determination in the blood and serum in the warburg optical test. Klin Wochenschr. 1965;43:174-5.

231. Young DS, Pestaner LC, Gibberman V. Effect of Drugs on Clinical Laboratory Tests. Clin Chem. 1975;21(5):1D-432D.
232. Ohkawa H, Ohishi N, Yagi K. Assay for lipid peroxides in animal tissues by thiobarbituric acids reaction. Anal Biochem 1979;95:351-8.
233. Beauchamp C, Fridovich I. Superoxide dismutase: Improved assays and an assay applicable to acrylamide gels. Anal Biochem 1971;44:276-87.
234. Sinha A. Calorimetric assay of catalase. Anal Biochem 1972;47:389-94.
235. Ellman GL. Tissue sulfhydryl groups. Arch Biochem Biophys 1959;82:70-73.
236. Kulkarni SK. Handbook of Experimental Pharmacology. 2nd ed. New Delhi: Vallabh Prakashan; 1993. p. 82-90.
237. Rang HP, Dale MM, Ritter JM. Pharmacology. 3rd ed. London: Churchill Livingstone; 1995. p. 367
238. Humes HD, Weinberg JM. Toxic nephropathies. In: Brenner BM, Rector FC, editor. The Kidney. 3rd ed. Philadelphia: Saunders; 1986. p. 1491-532.
239. Erdem A, Gundogan NU, Usubutun A, Kilinc K, Erdem SR, Kara A, et al, editors. The protective effect of taurine against gentamicin induced acute tubular necrosis in rats. Nephrol Dial Transplant 2009;15:1175-82.
240. Laskshmi BV, Sudhakar M. Protective effect of *Zingiber officinale* on gentimicin-induced nephrotoxicity in rats. Int J Pharmacol 2010;6(1):58-62.
241. Banday AA, Farooq N, Priyamvada S, Yusufi ANK, Khan F. Time dependent effects of gentamicin on the enzymes of

- carbohydrate metabolism, brush border membrane and oxidative stress in rat kidney tissues. *Life Sci.* 2008;82(9-10):450-9.
242. Yaman I, Balikci E. Protective effects of *Nigella sativa* against gentamicin-induced nephrotoxicity in rats. *Exp Toxicol Pathol* 2010;62(2):183-90.
243. Pastore A., Federici G., Bertini E, Piemonte F. Analysis of glutathione: implication in redox and detoxification. *Clin. Chim. Acta* 2003;333(1):19-39.
244. Garg NK, Mangal S, Sahu T, Mehta A, Vyas SP, Tyagi RK. Evaluation of anti-apoptotic activity of different dietary antioxidants in renal cell carcinoma against hydrogen peroxide. *Asian Pac J Trop Biomed.* 2011;1(1):57-63.
245. Okokon JE, Nwafor PA, Noah K. Nephroprotective effect of *Croton zambesicus* root extract against gentimicin-induced kidney injury. *Asian Pac J Trop Biomed.* 2011;4(12):969-72.
246. Gilman GA, Rall TW, Nies AS, Taylor P. The pharmacological basis of therapeutics. 8<sup>th</sup> ed. Singapore: The McGraw- Hill companies; 1992. vol. 2 p. 1106–9.
247. Bennit WM, Parker RA, Elliot WC, Gilbert D, Houghton D. Sex related differences in the susceptibility of rat to Gentamicin nephrotoxicity. *J Infect Dis* 1982;145:370–4.
248. Ali BH, Ismail BTH, Basheer AA. Sex related differences in the susceptibility of rat to gentamicin nephrotoxicity: influence of gonadectomy and hormonal replacement therapy. *Ind. J. Pharmacol.* 2001;33:369–73.
249. Kumar KV, Naidu MUR, Shifow AA, Ratnakar KS. Probuocol protects against gentamicin-induced nephrotoxicity in rats. *Indian J. Pharmacol.* 2000;32:108-13.

- 250.** Nagai J, Takano M. Molecular aspects of renal handling of aminoglycosides and strategies for preventing the nephrotoxicity. *Drug Metab Pharmacokinet.* 2004;19:159-70.
- 251.** Nagai J. Molecular mechanisms underlying renal accumulation of aminoglycoside antibiotics and mechanism-based approach for developing nonnephrotoxic aminoglycoside therapy. *Yakugaku Zasshi.* 2006;126:327-35.
- 252.** Waksmundzka HM, Sherma J. *High Performance Liquid Chromatography in Phytochemical Analysis.* USA: CRC Press; 2010. vol. 102 p. 97-8.
- 253.** McIntyre A. *Herbal Treatment of Children: Western and Ayurvedic Perspectives.* UK: Elsevier Health Sciences; 2005. p. 6-7.